

M12 male 0° / M12 female 0° A-cod. F&B Pro

TPE-S 0.5+0.25 shielded bu UL robot+drag ch. 5m

Art.No.: 7024-46041-5230500

Weight: 0.434 Country of origin: DE

Model designation: MSBL0-A-6p2 523 5.0-ZE-S24

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Plug Connectors for Food & Beverage

Male straight - female straight

M12 F&B Pro

6-pole

Stainless steel 1.4404 (V4A)

without cable sleeves

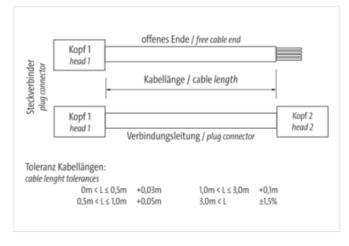
IP69K

Cube67

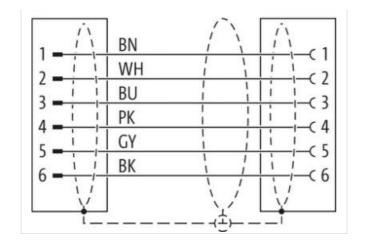
Link to Product

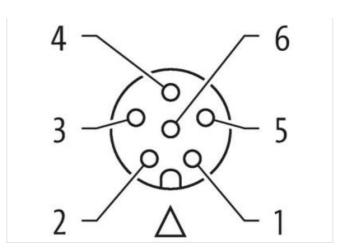
Illustration

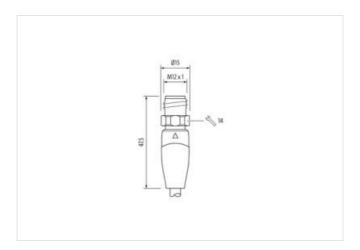


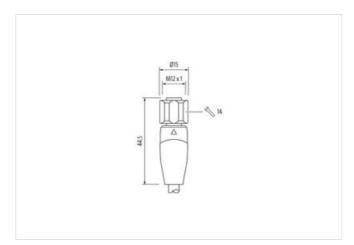


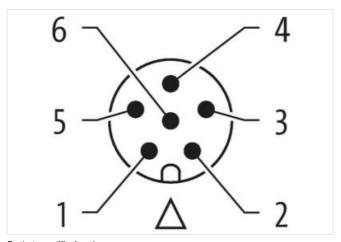












Product may differ from Image

Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A



Material contact	Copper alloy
No. of poles	6
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K
Side 2	
Tightening torque	0.6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	6
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879791854
EAN	4048879791854
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material housing	PP
Color contact carrier	ice blue
Material gasket	EPDM
Material contact carrier	PP
Locking material	Stainless steel 1.4404 (V4A)
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
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The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-11-05



Invironmental characteristics Climatic	
perating temperature min.	-40 °C
perating temperature max.	105 °C
dditional condition temperature range	depending on cable quality
mportant installation notes	
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
ote on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12), FDA conform
nstallation Cable	
re arrangement	gray, pink, (blue, white, brown, black)
able identification	523
unction cable	Hybrid, Signal, Data
acket Color	blue
/pe of Certificate	cURus
mount stranding	1
randing	2 wires twisted
cranding (type 2)	4 wires with Stranding combination with 3 Filler twisted
able shielding (type)	copper braid, tinned
able shielding (coverage)	80 %
anding	Fleece
ller	yes
re arrangement	gray, pink, (blue, white, brown, black)
able weigth	82,5 g/m
aterial jacket	TPE-S
nore hardness jacket	47 ± 5 Shore D
reedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
uter-diameter (jacket)	7,9 mm
plerance outer diameter (sheath)	±5%
aterial wire insulation	PP
mount wires	4
uter diameter insulation	1,5 mm
uter diameter tolerance core insulation	±5%
gredient freeness wire insulation	lead-free, CFC-free, halogen-free
mount strands (wire)	28
ameter of single wires	0,15 mm
onductor crosssection (wire)	0,5 mm ²
aterial conductor wire	Stranded copper wire, bare
onductor type (wire)	strand class 6
aterial wire insulation (Data)	PP
uter diameter wire insulation (Data)	1,35 mm
plerance outer diameter wire insulation (data)	
gredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
mount wires (Data)	2
mount strands wire (Data)	32
ameter of single wires (Data)	0,1 mm
onductor crosssection wire (Data)	0,25 mm ²
aterial conductor wire (Data)	Stranded copper wire, bare
ire conductor type (Data)	strand class 6
ominal voltage AC max.	300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	7,2 A



Current load capacity min. Wire (Data)	4,5 A
Characteristic impedance	102 Ω @ 1 MHz
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Electric inductivity line constant	0,58 mH/km
Electrical capacity line constant (wire - wire)	55 pF/km
Electrical capacity line constant (wire - shield)	105 pF/km
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
AC withstand voltage (wire - shield)	3 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	105 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	105 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	4 Mio. @ 20 °C
Traversing distance (C-track)	10 m @ 20 °C
Travel speed (C-track)	3 m/s @ 20 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m